INDEX

A

3-acetylpyridine, niacin and anti-niacin activity of, in dogs, 623.
AFTERGOOD, L. See Deuel, H. J., Jr., 337.
Alaskan Eskimos, anemia in, 137.
ALFIN-SLATER, R. B. See Cheng, A. L. S., 647; Deuel, H. J., Jr., 337.
Amino acid(s) diets, imbalances in, resulting in niacin-tryptophan deficiency, 23.
— blood non-protein, effect of fasting on, in humans, 469.
Anemia in Alaskan Eskimos, 137.
"Animal protein factor" required for the survival of young rats, the alleged occurrence of. I. Studies with unpurified rations, 543; II. Reproduction of rats fed protein-free amino acid rations, 559.
ARRINGTON, L. R., AND G. K. DAVIS. Metabolism of phosphorus^{32} and molybdenum^{99} in rats receiving high calcium diets, 185.
Ascorbic acid (serum) and intake. Nutritional status of the aging. III., 431.
—— utilization by women. Response of serum level and night urinary excretion to increasing levels of intake, 217.
ATKINSON, R. L., T. M. FERGUSON, J. H. QUISENBERRY AND J. R. COUCH. Vitamin E and reproduction in turkeys, 387.
AUSKAPS, A. M., AND J. H. SHAW. Hemoglobin concentration, thyroid weight and growth rate in rats during minimum fluoride ingestion, 611.

BABCOCK, M. J. Methods for measuring fingernail growth rates in nutritional studies, 323.
BANERJEE, S., AND R. BASAK. Nicotinic acid metabolism in the rhesus monkey, 179.
BARNES, L. L. See Sperling, G., 399.
BARRON, G. P. See Uram, J. A., 481.
BASAK, R. See Banerjee, S., 179.
Beef extracted with different solvents, egg, milk and wheat germ, nutritive value of the proteins of for the growing rat, 63.
BELL, W. B. See Engel, R. W., 119.
Betaine and methylaminoethanol, chick's requirement for folic acid in the utilization of choline and its precursors, 353.
Biological value of protein fed to rats, effect of energy intake on the, 499.
Blood fibrin, net protein value of for the albino rat. Evaluation of nitrogen balance and carcass analysis methods, 493.
— glucose levels. Nutritional status of the aging. II., 289.
— non-protein amino acids, effect of fasting on, in humans, 469.
—— —— nitrogen, serum protein, uric acid and creatinine. Nutritional status of the aging. VI., 671.
BRANDT, C. S. See Thacker, E. J., 375.
BRIDGFORTH, E. See Ferguson, M. E., 305.

CALCIUM diets, metabolism of phosphorus^{32} and molybdenum^{99} in rats receiving high, 185.
— utilization of from salts by college women, 519.
CANNON, R. C. See Ferguson, M. E., 305.
Carcass analysis and nitrogen balance methods, evaluation of, Net protein value of blood fibrin for the albino rat, 493.
Caries, dental (see Dental caries).
— smooth-surface rat, observations on the production of by diets containing skimmilk and whey powders, 589.
Carotene and vitamin A. Nutritional status of the aging. V., 655.
CARTER, M. W., G. MATRONE AND W. W. G. SMART, JR. Effect of genistin on reproduction of the mouse, 639.
Cats and rats, non-deleterious effects of polyoxyethylene esters in the nutrition of, 35.
CHARKEY, L. W., A. K. KANO AND D. F. HOUGHAM. Effects of fasting on blood non-protein amino acids in humans, 469.
CHENG, A. L. S., T. M. GRAHAM, R. B. ALFIN-SLATER AND H. J. DEUEL, JR. The effect of fat level of the diet on general nutrition. XV. Comparison of the protective effect of linoleic acid and linolenic acid against multiple sublethal doses of x-irradiation in the rat, 647.
Chick nutrition, role of glycine in, 415.
Chicken nutrition, germ-free. II. Vitamin interrelationships, 105.
Chick's requirement for folic acid in the utilization of choline and its precursors betaine and methylaminoethanol, 353.
Children, Jamaican, some observations on the metabolism of vitamin B_{12} by, 129.
Cholesterol (serum) and diet. Nutritional status of the aging. IV., 449.
—— observations on concentration of in adult women, 601.
Choline and its precursors betaine and methylaminoethanol, chick's requirement for folic acid in the utilization of, 353.
CLARK, H. E., A. S. HOOPER AND M. L. MCCORD. The nutritive value of the proteins of beef extracted with different solvents, and of egg, milk and wheat germ for the growing rat, 63.
Coconut oil, hydrogenated, further studies on the effect of on essential fatty acid deficiency in the rat. The effect of fat level of the diet on general nutrition. XIV., 337.
Coprophagy in the rabbit, 375.
Corn germ, toxicity of to the meal worm, *Tenebrio molitor*, 165.
Cottonseed oil, antagonism of fresh fat to the toxicity of heated and aerated, 577.
COUCH, J. R. See Atkinson, R. L., 387.
COWGILL, G. R. See Krehl, W. A., 35.
Creatinine, serum protein, blood nonprotein nitrogen and uric acid. Nutritional status of the aging. VI., 671.
Creatinuria of nutritional muscular dystrophy in the rat, nature of, 209.

DARBY, W. J. See Ferguson, M. E., 305.
DAVIS, G. K. See Arrington, L. R., 185.
Dental caries in the albino rat on fluoridated and distilled water, 235.
DEUEL, H. J., JR. See Cheng, A. L. S., 647.

DEUEL, H. J., JR., R. B. ALFIN-SLATER, A. F. WELLS, G. D. KRYDER AND L. AFTERGOOD. The effect of fat level of the diet on general nutrition. XIV. Further studies of the effect of hydrogenated coconut oil on essential fatty acid deficiency in the rat, 337.
DIAMANT, E. J., S. HALEVY AND K. GUGGENHEIM. Studies on vitamin metabolism in emetine poisoning, 241.
Dichotomy in protein metabolism, validity of Folin's concept of, 193.
Diet(s), amino acid, niacin-tryptophan deficiency resulting from imbalances in, 23.
— and serum cholesterol. Nutritional status of the aging. IV., 449.
— containing skimmilk and whey powders, observations on the production of smooth-surface rat caries by, 589.
— high calcium, metabolism of phosphorus[32] and molybdenum[99] in rats receiving, 185.
— whole milk, effect of long time feeding of to white rats, 399.
Digestibility studies (in vitro) on model peptides heated with glucose, 97.
DINNING, J. S. The nature of the creatinuria of nutritional muscular dystrophy in the rat, 209.
Dogs, niacin and anti-niacin activity of 3-acetylpyridine in, 623.
Duck, manganese deficiency in the, 225.
Dystrophy, nutritional muscular in the rat, the nature of the creatinuria of, 209.

EMETINE poisoning, studies on vitamin metabolism in, 241.
Energy intake, effect of on the biological value of protein fed to rats, 499.
ENGEL, R. W., W. N. LINKOUS AND W. B. BELL. Effect of protein on the toxicity of hexachloronaphthalene, 119.
Eskimos, Alaskan, anemia in, 137.
EVANS, H. M. See Nelson, M. W., 151.
Excretion, night urinary and serum levels of ascorbic acid, response of to increasing levels of intake, 217.

FAT absorption in adult women, relation of age to, together with observations on concentration of serum cholesterol, 601.
— fresh, antagonism of to the toxicity of heated and aerated cottonseed oil, 577.
— level of the diet, effect of on general nutrition. XIV. Further studies of the effect of hydrogenated coconut oil on essential fatty acid deficiency in the rat, 337; XV. Comparison of the protective effect of linoleic acid and linolenic acid against multiple sublethal doses of x-irradiation in the rat, 647.
Fatty acid, essential, deficiency in the rat, further studies of the effect of hydrogenated coconut oil on. The effect of fat level of the diet on general nutrition. XIV., 337.
FERGUSON, M. E., E. BRIDGFORTH, M. L. QUAIFE, M. P. MARTIN, R. O. CANNON, W. J. MCGINITY, J. NEWBILL AND W. J. DARBY. The Vanderbilt cooperative study of maternal and infant nutrition. VII. Tocopherol in relation to pregnancy, 305.
FERGUSON, T. M. See Atkinson, R. L., 387.
Fingernail growth rates, methods for measuring in nutritional studies, 323.
FISHER, H., H. M. SCOTT AND B. C. JOHNSON. The role of glycine in chick nutrition, 415.
Fluoridated and distilled water, dental caries in albino rats on, 235.
Fluoride ingestion, minimum in rats, hemoglobin concentration, thyroid weight and growth rate during, 611.
Fluorine, utilizability of for storage in the rat when administered in milk, 347.
Folic acid, chick's requirement of in the utilization of choline and its precursors betaine and methylaminoethanol, 353.
Folin's concept of dichotomy in protein metabolism, the validity of, 193.
Folk, J. E. See McClure, F. J., 589.
FORBES, R. M., AND M. YOHE. Net protein value of blood fibrin for the albino rat: Evaluation of nitrogen balance and carcass analysis methods, 493; Effect of energy intake on the biological value of protein fed to rats, 499.
FRAENKEL, G. See Lipke, H., 165.
FRENCH, C. E. See Uram, J. A., 481.

GANDER, J. E., AND M. O. SCHULTZE. Concerning the alleged occurrence of an "animal protein factor" required for the survival of young rats. I. Studies with unpurified rations, 543.
GARCIA, P., C. RODERUCK AND P. SWANSON. The relation of age to fat absorption in adult women, together with observations on concentration of serum cholesterol, 601.
Genistin, effect of on reproduction of the mouse, 639.
Germfree chicken nutrition. II. Vitamin interrelationships, 105.
GILLUM, H. L. See Morgan, A. F., 431, 655.
GILLUM, H. L., AND A. F. MORGAN. Nutritional status of the aging. I. Hemoglobin levels, packed cell volume and sedimentation rates of 577 normal men and women over 50 years of age, 265.
GILLUM, H. L., A. F. MORGAN AND D. W. JEROME. Nutritional status of the aging. IV. Serum cholesterol and diet, 449.
GILLUM, H. L., A. F. MORGAN AND F. SAILER. Nutritional status of the aging. V. Vitamin A and carotene, 655.
GILLUM, H. L., A. F. MORGAN AND R. I. WILLIAMS. Nutritional status of the aging. II. Blood glucose levels, 289.
Glucose, in vitro studies on model peptides heated with, 97.
— levels, blood. Nutritional status of the aging. II., 289.
Glycine, role of in chick nutrition, 415.
GOLDBERGER, JOSEPH (July 16, 1874 – January 17, 1929), 3.
GRAHAM, T. M. See Cheng, A. L. S., 547.
Growth rate, hemoglobin concentration and thyroid weight in rats during minimum fluoride ingestion, 611.
— reproduction and lactation of the rat, effect of high levels of terramycin or streptomycin on, 481.
— rates, fingernail, methods for measuring in nutritional studies, 323.
GUGGENHEIM, K. See Diamant, E. J., 241.
Guinea pigs, injury that follows a high intake of phosphates. The modifying effect of magnesium and potassium, 507.

HALDI, J. See Wynn, W., 235.
HALEVY, S. See Diamant, E. J., 241.
HANAN, B. T. See Scott, E. M., 137.
Hemoglobin concentration, thyroid weight and growth rate in rats during minimum fluoride ingestion, 611.

— levels, packed cell volume and sedimentation rates of 577 normal men and women over 50 years of age. Nutritional status of the aging. I., 265.
HENDERSON, L. M. See Koeppe, O. J., 23.
HERNDON, J. F. See Hove, E. L., 363.
HEUSER, G. F. See Young, R. J., 353.
Hexachloronaphthalene, effect of protein on the toxicity of, 119.
HOGAN, A. G. See House, W. B., 507.
HOOPER, A. S. See Clark, H. E., 63.
HOUGHAM, D. F. See Charkey, L. W., 469.
HOUSE, W. B., AND A. G. HOGAN. Injury to guinea pigs that follows a high intake of phosphates. The modifying effect of magnesium and potassium, 507.
HOVE, E. L., AND J. F. HERNDON. Potassium deficiency in the rabbit as a cause of muscular dystrophy, 363.
HUNDLEY, J. M. See McDaniel, E. G., 623.

IACOBELLIS, M. See Schroeder, L. J., 97.

JAMAICAN children, some observations on the metabolism of vitamin B_{12} by, 129.
JEROME, D. W. See Gillum, H. L., 265, 449.
JOHNSON, B. C. See Fisher, H., 415.
JOHNSON, R. E. See Kaunitz, H., 577.

KAUNITZ, H., C. A. SLANETZ AND R. E. JOHNSON. Antagonism of fresh fat to the toxicity of heated and aerated cottonseed oil, 577.
KOEPPE, O. J., AND L. M. HENDERSON. Niacin-tryptophan deficiency resulting from imbalances in amino acid diets, 23.
KREHL, W. A., G. R. COWGILL AND A. D. WHEDON. Non-deleterious effects of polyoxyethylene esters in the nutrition of rats and cats, 35.
KRYDER, G. D. See Deuel, H. J., Jr., 337.

LACTATION of the rat, effect of high levels of terramycin or streptomycin on growth, reproduction and, 481.
LINKOUS, W. N. See Engel, R. W., 119.
Linoleic acid and linolenic acid, protective effect against multiple sublethal doses of x-irradiation in the rat. The effect of fat level of the diet on general nutrition. XV., 647.
LIPKE, H., AND G. FRAENKEL. The toxicity of corn germ to the meal worm, *Tenebrio molitor*, 165.
LOVELACE, F. See Sperling, G., 399.
LUCKEY, T. D., J. R. PLEASANTS AND J. A. REYNIERS. Germfree chicken nutrition. II. Vitamin interrelationships, 105.

MANGANESE deficiency in the duck, 225.
MARTIN, M. P. See Ferguson, M. R., 305.
MATRONE, G. See Carter, M. W., 639.
MCCAY, C. M. See Sperling, G., 399.
MCCLURE, F. J., AND J. E. FOLK. Observations on the production of smooth-surface rat caries by diets containing skimmilk and whey powders, 589.
MCCORD, M. L. See Clark, H. E., 63.
MCDANIEL, E. G., J. M. HUNDLEY AND W. H. SEBRELL. Niacin and anti-niacin activity of 3-acetylpyridine in dogs, 623.
MCGINITY, W. J. See Ferguson, M. E., 305.
Magnesium and potassium, modifying effect of on injury to guinea pigs that follows a high intake of phosphates, 507.
Meal worm, *Tenebrio molitor*, toxicity of corn germ to the, 165.
MENG, H. C., AND J. B. YOUMANS. Utilization of a "synthetic" triglyceride preparation by weanling rats, 527.
Metabolism of nicotinic acid in the rhesus monkey, 179.
— of phosphorus^{32} and molybdenum^{99} in rats receiving high calcium diets, 185.
— of vitamin B_{12} by Jamaican children, 129.
— protein, validity of Folin's concept of dichotomy in, 193.
— vitamin, studies on in emetine poisoning, 241.
Methylaminoethanol, chick's requirement for folic acid in the utilization of choline and its precursors betaine and, 353.
Milk (whole) diets, effect of long time feeding of to white rats, 399.
— utilizability of fluorine administered in for storage in the rat, 347.
MILLER, R. F., G. SMALL AND L. C. NORRIS. Studies on the effect of sodium bisulfite on the stability of vitamin E, 81.
MITCHELL, H. H. The validity of Folin's concept of dichotomy in protein metabolism, 193.
Molybdenum^{99} and phosphorus^{32}, metabolism of in rats receiving high calcium diets, 185.
Monkey (rhesus), nicotinic acid metabolism in, 179.
MORGAN, A. F. See Gillum, H. L., 265, 289, 449, 671.
MORGAN, A. F., H. L. GILLUM AND R. I. WILLIAMS. Nutritional status of the aging. III. Serum ascorbic acid and intake, 431.
— M. MURAI AND H. L. GILLUM. Nutritional status of the aging. VI. Serum protein, blood nonprotein nitrogen, uric acid and creatinine, 671.
MORSE, E. H. See Potgieter, M., 217.
Mouse, effect of genistin on reproduction of the, 639.
MUHLER, J. C., AND D. A. WEDDLE. Utilizability of fluorine for storage in the rat when administered in milk, 347.
MURAI, M. See Morgan, A. F., 671.
Muscular dystrophy, potassium deficiency as a cause of in the rabbit, 363.

NELSON, M. M., AND H. M. EVANS. Relation of thiamine to reproduction in the rat, 151.
NEWBILL, J. See Ferguson, M. E., 305.
Niacin and anti-niacin activity of 3-acetylpyridine in dogs, 623.
Niacin-tryptophan deficiency resulting from imbalances in amino acid diets, 23.
Nicotinic acid metabolism in the rhesus monkey, 179.
Nitrogen balance and carcass analysis methods, evaluatiin of. Net protein value of blood fibrin for the albino rat, 493.
NORRIS, L. C. See Miller, R. F., 81; Young, R. J., 353.
NUMEROF, P., H. SASSAMAN, A. RODGERS AND A. E. SCHAEFER. The use of radioactive phosphorus in the assay of vitamin D, 13.
Nutrition, chick, role of glycine in, 415.
— germ-free chicken. II. Vitamin interrelationships, 105.
— maternal and infant, Vanderbilt cooperative study of, VII. Tocopherol in relation to pregnancy, 305.
— of rats and cats, non-deleterious effects of polyoxyethylene esters in, 35.
Nutritional muscular dystrophy in the rat, the nature of the creatinuria of, 209.

— status of the aging. I. Hemoglobin levels, packed cell volume and sedimentation rates of 577 normal men and women over 50 years of age, 265; II. Blood glucose levels, 289; III. Serum ascorbic acid and intake, 431; IV. Serum cholesterol and diet, 449; V. Vitamin A and carotene, 655; VI. Serum protein, blood nonprotein nitrogen, uric acid and creatinine, 671.
Nutritive value of the proteins of beef extracted with different solvents, and of egg, milk and wheat germ for the growing rat, 63.

PACKED cell volume, hemoglobin levels and sedimentation rates of 577 healthy men and women over 50 years of age. Nutritional status of the aging. I., 265.
PATRICK, S. J. Some observations on the metabolism of vitamin B_{12} by Jamaican children, 129.
PATTON, M. B. Further experiments on the utilization of calcium from salts by college women, 519.
PEARSON, P. B. See Van Reen, R., 225.
Peptides (model), heated with glucose, in vitro digestibility studies on, 97.
Phosphorus^{32} and molybdenum^{99}, metabolism of in rats receiving high calcium diets, 185.
Phosphates, high intake of and injury to guinea pigs. The modifying effect of magnesium and potassium, 507.
Phosphorus, radioactive, use of in the assay of vitamin D, 13.
PLEASANTS, J. R. See Luckey, T. D., 103.
Poisoning, emetine, studies on vitamin metabolism in, 241.
Polyoxyethylene esters, non-deleterious effects of in the nutrition of rats and cats, 35.
Potassium and magnesium, modifying effect of on injury to guinea pigs that follows a high intake of phosphates, 507.
Potassium deficiency in the rabbit as a source of muscular dystrophy, 363.
POTGIETER, M., E. H. MORSE AND G. R. WALKER. Ascorbic acid utilization by women. Response of serum level and night urinary excretion to increasing levels of intake, 217.
Pregnancy, tocopherol in relation to. The Vanderbilt cooperative study of maternal and infant nutrition. VII., 305.
Protein(s), biological value of, effect of energy intake on, 499.
— effect of on the toxicity of hexachloronaphthalene, 119.
— metabolism, Folin's concept of dichotomy in, validity of, 193.
— of beef extracted with different solvents, and of egg, milk and wheat germ, nutritive value of for the growing rat, 63.
— value of blood fibrin for the albino rat. Evaluation of nitrogen balance and carcass analysis methods, 493.

QUAIFE, M. P. See Ferguson, M. E., 305.
QUISENBERRY, J. H. See Atkinson, R. L., 387.

RABBIT, coprophagy in, 375.
— potassium deficiency in as a cause of muscular dystrophy, 363.
Radioactive phosphorus in the assay of vitamin D, 13.
Rat(s), albino, net protein value of blood fibrin for. Evaluation of nitrogen balance and carcass analysis methods, 493.
—— on fluoridated and distilled water, dental caries in, 235.
— and cats, non-deleterious effects of polyoxyethylene esters in the nutrition of, 35.
— comparison of the protective effect of linoleic acid and linolenic acid against multiple sublethal doses of x-irradiation in. The effect of fat level of the diet on general nutrition. XV., 647.
— depleted, use of for investigations of vitamin B_{12} and unidentified factors, 255.
— effect of energy intake on the biological value of protein fed to, 499.
— effect of high levels of terramycin or streptomycin on growth, reproduction and lactation of, 481.
— essential fatty acid deficiency in, further studies on. The effect of fat level of the diet on general nutrition. XIV., 337.
— growing, nutritive value of the proteins of beef extracted with different solvents, and of egg, milk and wheat germ for the, 63.
— the nature of the creatinuria of nutritional muscular dystrophy in, 209.
— receiving high calcium diets, metabolism of phosphorus^{32} and molybdenum^{99} in, 185.
— relation of thiamine to reproduction in the, 151.
— utilizability of fluorine in, when administered in milk, 347.
— weanling, utilization of a "synthetic" triglyceride preparation by, 527.
— white, effect of long time feeding of whole milk diets to, 399.
— young, concerning the alleged occurrence of an "animal protein factor" required for the survival of. I. Studies with unpurified rations, 543; II. Reproduction of rats fed protein-free amino acid rations, 559.
Rations, protein-free amino acid, reproduction of rats fed. Concerning the alleged occurrence of an "animal protein factor" required for the survival of young rats. II., 559.
— unpurified, studies concerning the alleged occurrence of an "animal protein factor" required for the survival of young rats. I., 543.
Reproduction and lactation of the rat, effect of high levels of terramycin or streptomycin on growth, 481.
— in the rat, relation of thiamine to, 151.
— in turkeys, effect of vitamin E, 387.
— of the mouse, effect of genistin on, 639.
— of rats fed protein-free amino acid rations. Concerning the alleged occurrence of an "animal protein factor" required for the survival of young rats. II., 559.
REYNIERS, J. A. See Luckey, T. D., 105.
RODEBUCK, C. See Garcia, P., 601.
RODGERS, A. See Numerof, P., 13.

SAILER, F. See Gillum, H. L., 655.
SASSAMAN, H. L. See Numerof, P., 13.
SAXTON, J. A., JR. See Sperling, G., 399.
SCHAEFER, A. E. See Numerof, P., 13.
SCHAEFER, H. C. See Sherman, W. C., 255.
SCHILT, H. L. See Sherman, W. C., 255.
SCOTT, H. M. See Fisher, H., 415.
SCHROEDER, L. J., M. IACOBELLIS AND A. H. SMITH. In vitro digestibility studies on model peptides heated with glucose, 97.
SCHULTZE, M. O. Concerning the alleged occurrence of an "animal protein factor" required for the survival of young rats. II. Reproduction of rats fed protein-free amino acid rations, 559.
——— See Gander, J. E., 543.

SCOTT, E. M., R. G. WRIGHT AND B. T. HANAN. Anemia in Alaskan Eskimos, 137.
SEBRELL, W. H. Joseph Goldberger (July 16, 1874 – January 17, 1929), 3.
——— See McDaniel, E. G., 623.
Sedimentation rates, hemoglobin levels and packed cell volumes of 577 healthy men and women over 50 years of age. Nutritional status of the aging. I., 265.
Serum ascorbic acid and intake. Nutritional status of the aging. III., 431.
— cholesterol and diet. Nutritional status of the aging. IV., 449.
—— observations on concentration of in adult women, 601.
— level of ascorbic acid, response of in women to increasing levels of intake, 217.
— protein, blood nonprotein nitrogen, uric acid and creatinine. Nutritional status of the aging. VI., 671.
SHAW, J. H. See Auskaps, A. M., 611.
SHERMAN, W. C., H. L. SCHILT AND H. C. SCHAEFER. The use of depleted rats for investigations of vitamin B_{12} and unidentified factors, 255.
Skimmilk and whey powders, observations on the production of smooth-surface rat caries by diets containing, 589.
SLANETZ, C. A. See Kaunitz, H., 577.
SMALL, G. See Miller, R. F., 81.
SMART, W. W. G., JR. See Carter, M. W., 639.
SMITH, A. H. See Schroeder, L. J., 97.
SMITH, C. A. H. See Sperling, G., 399.
SNOWDEN, M. See Gillum, H. L., 265.
Sodium bisulfite, effect of on the stability of vitamin E, 81.
SPERLING, G., F. LOVELACE, L. L. BARNES, C. A. H. SMITH, J. A. SAXTON, JR., AND CLIVE M. MCCAY. Effect of long time feeding of whole milk diets to white rats, 399.
Streptomycin or terramycin, effect of high levels of on growth, reproduction and lactation of the rat, 481.
SWANSON, P. See Garcia, P., 601.
SWIFT, R. W. See Uram, J. A., 481.

TERRAMYCIN or streptomycin, effect of high levels of on growth, reproduction and lactation of the rat, 481.
THACKER, E. J., AND C. S. BRANDT. Coprophagy in the rabbit, 375.
Thiamine, relation of to reproduction in the rat, 151.
Thyroid weight, hemoglobin concentration and growth rate in rats during minimum fluoride ingestion, 611.
Tocopherol in relation to pregnancy. The Vanderbilt cooperative study of maternal and infant nutrition. VII., 305.
Toxicity of corn germ to the meal worm, *Tenebrio molitor*, 165.
Triglyceride, "synthetic," utilization of by weanling rats, 527.
Turkeys, vitamin E and reproduction in, 387.

UNIDENTIFIED factors and vitamin B_{12}, use of depleted rats for investigations of, 255.
URAM, J. A., C. E. FRENCH, G. P. BARRON AND R. W. SWIFT. The effect of high levels of terramycin or streptomycin on growth, reproduction and lactation of the rat, 481.
Uric acid, serum protein, blood nonprotein nitrogen and creatinine. Nutritional status of the aging. VI., 671.
Urinary excretion (night) of ascorbic acid by women. Response to increasing levels of intake, 217.

VANDERBILT cooperative study of maternal and infant nutrition. VII. Tocopherol in relation to pregnancy, 305.
VAN REEN, R., AND P. B. PEARSON. Manganese deficiency in the duck, 225.
Vitamin A and carotene. Nutritional status of the aging. V., 655.
— B_{12}, metabolism of by Jamaican children, 129.
—— and unidentified factors, use of depleted rats for investigations of, 255.
— D, use of radioactive phosphorus in the assay of, 13.
— E and reproduction in turkeys, 387.
——— studies on the effect of sodium bisulfite on the stability of, 81.
— interrelationships in germ-free chicken nutrition, 105.
— metabolism in emetine poisoning, studies of, 241.
VOTAW, M. H. See Gillum, H. L., 265.

WALKER, G. R. See Potgieter, M., 217.
Water, fluoridated and distilled, dental caries in the albino rat on, 235.
WELLS, A. F. See Deuel, H. J., Jr., 337.
WHEDON, A. D. See Krehl, W. A., 35.
WEDDLE, D. A. See Muhler, J. C., 347.
WILLIAMS, R. I. See Gillum, H. L., 289; Morgan, A. F., 431.
Women, adult, fat absorption in, together with observations on concentration of serum cholesterol, 601.
— ascorbic acid utilization by. Response of serum levels and night urinary excretion to increasing levels of, 217.
— college, further experiments on the utilization of calcium from salts, 519.
WRIGHT, R. G. See Scott, E. M., 137.
WYNN, W., AND J. HALDI. Dental caries in the albino rat on fluoridated and distilled water, 235.

X-IRRADIATION in the rat, comparison of the protective effect of linoleic acid and linolenic acid against multiple sublethal doses of. The effect of fat level of diet on general nutrition. XV., 647.

YOHE, M. See Forbes, R. M., 493, 499.
YOUMANS, J. B. See Meng, H. C., 527.
YOUNG, R. J., L. C. NORRIS AND G. F. HEUSER. The chick's requirement for folic acid in the utilization of choline and its precursors betaine and methylaminoethanol, 353.